



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07068180 A**(43) Date of publication of application: **14.03.95**

(51) Int. Cl.

**B01J 29/068****B01D 53/86****B01D 53/94**(21) Application number: **05217528**(22) Date of filing: **01.09.93**(71) Applicant: **SEKIYU SANGYO KASSEIKA  
CENTER COSMO OIL CO  
LTDSAKAI CHEM IND CO LTD**(72) Inventor: **NAKATSUJI TADAO  
SHIMIZU HIROMASU  
YASUKAWA RITSU****(54) CATALYST FOR CATALYTIC REDUCTION OF  
NOX****(57) Abstract**

**PURPOSE:** To obtain a catalyst capable of efficient reduction of NO<sub>x</sub> in waste gas discharged from a plant, an automobile, etc., to N<sub>2</sub> and excellent in durability even in the presence of moisture.

**CONSTITUTION:** At least one kind of element selected from among Pt, Ir, Rh, Ru, Pd and Au is carried on a

solid acid carrier by 0.001-1.0wt.% to obtain the objective catalyst for catalytic reduction of NO<sub>x</sub> with hydrocarbon or an oxygen-contg. compd. as a reducing agent. At that time, ions of a group Ib, IIb, IIIa, IIIb, IVa, IVb, Vb, VIIa or VIII element of the Periodic Table are preferably substd. for part of the solid acid carrier or oxide of the element is preferably carried on the carrier.

COPYRIGHT: (C)1995,JPO